

Abstract

An inverting cone mounted to an expansion box for turning a bag assembly having an assembly opening, an assembly extended length, and an assembly width. The inverting cone has an inlet separated from an outlet by a length. The inverting cone inlet is smaller than the assembly opening of the bag assembly, the inverting cone length is longer than the extended length of the bag assembly, and the cross-sectional area of the inverting cone increases from the inlet to the outlet along the length of the inverting cone. The expansion box has an expansion chamber separated from a manifold chamber by a baffle plate, and the baffle plate includes concentric circles of apertures communicating between the expansion chamber and the manifold chamber. The outlet of the inverting cone is open to the expansion chamber opposite to the center of the concentric circles of apertures in the baffle plate, and the side walls of the expansion box are spaced further apart than the assembly width of the bag assembly.